RECEIVED
CENTRAL FAX CENTER
JUL 1 7 2006

Certificate of Facsimile
I hereby certify that this correspondence is being transmitted by facsimile to (571) 273-8300 to the U.S.
Patent and Trademark Office

Luty 17, 2006

PAUL M. H. ETKO (1) 806

Name of applicant, assignes by fogsith ed representative

Signature

Luty 17, 2006

Date of Signature

PATENT Case No. GP-304028 (2760/134)

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re p	eatent application of:	)	
	WILLIAM E. MAZZARA, JR.	)	Examiner: PHUONG, DAI
Serial	No.: 10/675,349	j )	Group Art Unit: 2685
Filed:	SEPTEMBER 30, 2003	) )	Conf. No. 5776
For:	METHOD AND SYSTEM FOR RESPONDING TO DIGITAL VEHICLE REQUESTS	) ) )	

# RESPONSE TO NOTICE OF NONCOMPLIANT APPEAL BRIEF

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

Dear Sir:

In response to a Notice of Noncompliant Appeal Brief dated June 27, 2006, please reconsider the appeal brief in light of the following remarks.

> Serial No.: 10/675,349 Filed: September 30, 2003

> > Page 2 of 3

The Examiner asserts that the previously filed appeal brief is noncompliant because "the summary of the subject matter fails to address each independent claim separately." While the Examiner is correct, the Examiner's notice is erroneous, as no independent claims are subject to the appeal. Specifically, Appellant has not appealed the rejections of claims 1, 9, and 13. Appellants note that section 6 of the appeal brief specifically notes that the only claims subject to the appeal are claims 4, 11, and 16.

37 C.F.R. 41.37 states in relevant part:

(v) Summary of claimed subject matter. A concise explanation of the subject matter defined in each of the subject matter defined in each of the independent claims involved in the appeal, which shall refer to the specification by page and line number, and to the drawing, if any, by reference claracters. For each independent claim involved in the appeal and for each dependent claim argued separately under the provisions of paragraph

Ich Hivit of this section, every means plus function and step plus function as permuted by 35 U.S.C. 112, such paragraph, must be identified and the structure, material, or acts described in the specification as corresponding to each claimed function must be set forth with relations to the specification by page and line mumber, and to the drawing, if any, by reference characters.

There are no independent claims involved in the appeal. Appellants provided a summary of the claimed subject matter for the dependent claims involved in the appeal in the previously filed brief.

Therefore, the previously filed brief is, in fact and in law, compliant, and Appellant asks the Examiner to withdraw the notice and pass this case for prompt issuance. In an effort to allay any other concerns the Examiner might have, Appellants attach a revised brief further summarizing the subject matter of claims 11 and 16, each of which contains material similar to the elements of claim 4.

> Serial No.: 10/675,349 Filed: September 30, 2003 Page 3 of 3

#### **SUMMARY**

The Appellants respectfully submit that claims 4, 11, and 16 herein fully satisfy the requirements of 35 U.S.C. §§ 102, 103 and 112. In view of the foregoing, favorable consideration and passage to issue of the present application is respectfully requested. If any points remain in issue that may best be resolved through a personal or telephonic interview, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Dated: July 17, 2006

Respectfully submitted, WILLIAM E. MAZZARA, JR.

GENERAL MOTORS CORPORATION

General Motors Legal Staff Mail Code 482-C23-B21 300 Renaissance Center P.O. Box 300 Detroit, MI 58265-3000

Phone: (313) 665-4714

CARDINAL LAW GROUP

Suite 2000

1603 Orrington Avenue Evanston, Illinois 60201

Phone: (847) 905-7111 Fax: (847) 905-7113 Attorney for Applicants

Anthony Luke Simon

Registration No. 34,434

Paul M. Hletke Registration No. 51,806 Attorney for Applicants

RECEIVED CENTRAL FAX CENTER JUL 1 7 2006

Certificate of Facsion	mle
I bereby cerufy that this correst	condence is being
transmitted by facsimile to (57)	() 273-8300 to the U.S.
Patent and Tracemark Office	July 17, 2006
	(Date of Transmission
PARI M HIETKO	(508.15)
Name of Appeliant, assigned or	respired representative
( Clark in t	)

July 17, 2006.

Date of Signature

PATENT Case No. GP-304028 (2760/134)

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Tu te t	patent application of:	· ·
	WILLIAM E. MAZZARA, JR.	)
		) Examiner: PHUONG, DAI
Serial	No.: 10/675,349	)
		) Group Art Unit: 2685
Filed:	SEPTEMBER 30, 2003	)
		) Conf. No. 5776
For:	METHOD AND SYSTEM FOR	)
	RESPONDING TO DIGITAL	j
	VEHICLE REQUESTS	Ĵ
		•

#### APPEAL BRIEF

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

Dear Sir:

Please consider Appellant's appeal brief as follows.

Serial No.: 10/675,349

Filed: September 30, 2003 Page 2 of 19

# TABLE OF CONTENTS

1.	Real Party In Interest	-	•	•	3
2.	Related Appeals And Interferences		•	•	4
3.	Status Of Claims	•	•	•	5
4.	Status Of Amendments .	-	••		6
5.	Summary Of Claimed Subject Mat	ter.		•	7
6.	Grounds Of Rejection To Be Revie	wed C	n Appe	al.	9
7.	Arguments	•			10
8.	Summary	•			13
9.	Claims Appendix	•		•	14
10.	Evidence Appendix	-	•		19
11.	Related Proceedings Appendix	•			19

+18479057113 T-498 P.09/25 F-052

JUL-17-06 01:45PM FROM-CLG FAX

July 17, 2006

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003

Page 3 of 19

#### 1. REAL PARTY IN INTEREST

The real party in interest is Assignee General Motors Corporation, a corporation having an office and a place of business at 300 Renaissance Center, Detroit, Michigan, 48265-3000.

+18479057113 T-498 P.10/25 F-052

JUL-17-06 01:46PM FROM-CLG FAX

July 17, 2006

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003

Page 4 of 19

### 2. RELATED APPEALS AND INTERFERENCES

Appellant and the undersigned attorneys are not aware of any appeals or any interferences which will directly affect or be directly affected by or have a bearing on the Board's decision in the pending appeal.

Case No. GP-304028 (2760/134) Serial No.: 10/675,349

Filed: September 30, 2003

Page 5 of 19

#### 3. STATUS OF CLAIMS

Claims 1-2, 5-10, 12-14, and 17-20 were rejected as unpatentable over United States Patent 6,487,500 to Lemelson ("Lemelson") in view of United States Patent Publication 2001/0029425 to Myr ("Myr") under 35 U.S.C. §103(a).

Claims 3 and 15 stand rejected as unpatentable under 35 U.S.C. §103(a) over Lemelson in view of Myr in further view of United States Patent Publication 2005/0003812 to Gladwin ("Gladwin").

Claims 4, 11, and 16 stand rejected as unpatentable under 35 U.S.C. §103(a) over Lemelson in view of Myr in further view of United States Patent Publication 2001/0044315 to Aoki ("Aoki").

Claims 4, 11, and 16 are the claims on appeal. See, Appendix.

JUL-17-06 01:46PM FROM-CLG FAX

+18479057113

T-498 P.12/25 F-052

July 17, 2006

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003

Page 6 of 19

RECEIVED
CENTRAL FAX GENTER

JUL 17 2006

4. STATUS OF AMENDMENTS

Applicants filed an after final response including claim amendments that was not entered.

Serial No.: 10/675,349 Filed: September 30, 2003 Page 7 of 19

#### 5. SUMMARY OF CLAIMED SUBJECT MATTER

In this summary of claimed subject matter, all citations are to the specification of United States Patent Application 10/675,349. Further, all citations are illustrative only and support for the cited element may be found elsewhere in the specification. See, pages 9-12 of the specification, *inter alia*, and FIG. 2.

The invention relates to a method for responding to digital vehicle requests. The method includes receiving 225 a voice query by a telematics unit, wherein the telematics unit 120 comprises at least one analog digital converter. The voice query is converted 230 to a compressed digital signal and the compressed digital signal is transmitted 235 to a call center node 170 in communication with an information database via a wireless network 140. The signal is parsed 245 at the call center node to determine an inquiry and the information database is accessed 245 based on the inquiry. At least one response is formulated 250 in response to the inquiry and transmitted 255 in a digital format over the wireless network to the telematics unit. The response is then translated 260 to an analog format at the at least one analog digital converter. The voice query digital signal is compressed at the telematics unit, at more than two times the compression ratio of human recognizable audio data compression, and the formulated response is compressed to allow a user of the telematics unit to understand the formulated response.

Another aspect of the invention relates to a computer usable medium including a program for responding to digital vehicle requests. The medium includes computer readable code for receiving 225 a voice query by a telematics unit, wherein the telematics unit 120 comprises at least one analog digital converter. The medium further includes computer readable code for converting the voice query 230 to a compressed digital signal and computer readable code for transmitting the compressed digital signal 235 to a call center node 170 in communication with an information database via a wireless network 140. In addition, the medium includes computer readable code for parsing the signal 245 at the call center node to determine an inquiry and the information database is accessed 245 based on the inquiry. The medium further includes computer readable code for formulating at least one response 250 in response to the inquiry and computer readable code for transmitting 255 in a

JUL-17-06 01:46PM FROM-CLG FAX

July 17, 2006

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003

Page 8 of 19

digital format over the wireless network to the telematics unit. The medium further includes computer readable code for translating the response 260 to an analog format at the at least one analog digital converter. In addition, the medium includes computer readable code for compressing the voice query digital signal at the telematics unit, at more than two times the compression ratio of human recognizable audio data compression, and computer readable code for compressing the formulated response to allow a user of the telematics unit to understand the formulated response.

Another aspect of the invention relates to a system for responding to digital vehicle requests. The system includes means for receiving 225 a voice query by a telematics unit, wherein the telematics unit 120 comprises at least one analog digital converter. The system further includes means for converting the voice query 230 to a compressed digital signal and means for transmitting the compressed digital signal 235 to a call center node 170 in communication with an information database via a wireless network 140. In addition, the system includes means for parsing the signal 245 at the call center node to determine an inquiry and the information database is accessed 245 based on the inquiry. The system further includes means for formulating at least one response 250 in response to the inquiry and means for transmitting 255 in a digital format over the wireless network to the telematics unit. The system further includes means for translating the response 260 to an analog format at the at least one analog digital converter. In addition, the system includes means for compressing the voice query digital signal at the telematics unit, at more than two times the compression ratio of human recognizable audio data compression, and means for compressing the formulated response to allow a user of the telematics unit to understand the formulated response.

+18479057113 T-498 P.15/25 F-052

JUL-17-06 01:46PM FROM-CLG FAX

July 17, 2006

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003 Page 9 of 19

# 6. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

Claims 4, 11, and 16 were rejected as unpatentable under 35 U.S.C. §103(a) over Lemelson in view of Myr in further view of Aoki.

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003 Page 10 of 19

#### 7. ARGUMENTS

REGEIVED CENTRAL FAX CENTER JUL 1 7 2006

Claims 4, 11, and 16 were rejected as unpatentable under 35 U.S.C. §103(a) over Lemelson in view of Myr in further view Aoki

The §103(a) rejection of claims 4, 11, and 16 is traversed.

Lemelson in view of Myr in view of Aoki fails to teach or suggest, at least, that the compression algorithm compresses the voice query signal at more than two times the compression ratio of human recognizable audio data compression and the formulated response is compressed to allow a user of the telematics unit to understand the formulated response as claimed in amended claims 1, 9, and 13.

The Examiner correctly notes the failure of Lemelson or Myr, alone or in combination, to suggest any such limitation. Rather, the Examiner relies on Aoki for such a teaching. However, at most, Aoki teaches a radio communication system using variable packet length. Thus, Aoki teaches a packetization system that does not compress the data, but rather results in dividing the data so that the size of each packet is set to an appropriate size so that transmission of the packet is completed during the vehicle stay in a communication area. See, Aoki, ¶47-53.

Aoki teaches that when large data is downloaded from base stations to the terminal station (or vice versa), the data is divided and packetized. See, Aoki, ¶47 (below). Additionally, when the data to be transmitted is divided into packets in this way, the size of the packet should be set to an appropriate size so that transmission of the packet is completed during the vehicle stay in a communication area. Since the time of the vehicle stay in a communication area depends on the vehicle traveling speed, the Aoki system estimates the time of the terminal station antenna stay in a communication area by detecting a vehicle speed when the vehicle enters the communication area and sets the length of the packet to be the longest as far as transmission of the packet can be completed during the stay in the communication area. See, Aoki, ¶47.

Page 11 of 19

July 17, 2006 Case No. GP-304028 (2760/134) Serial No.: 10/675,349 Filed: September 30, 2003

[0047] When large data is downloaded from base stations K to the terminal station T, the data is divided and pucketized in the control station S first. For example, the data is divided and packetized into three parts for three communication areas a, b, c, and transmitted to the three base stations K of the communication areas a, b, c as shown in FIG. 1A. Each of three base stations K starts to transmit the received packet when the terminal station T enters the corresponding communication area. In this way, the terminal station T receives the three packets sequentially as the vehicle passes through the communication areas a, b, c. The terminal station T extracts the packets received from the three base stations K by demodulation. The terminal station T further convents the extracted packets to pairs of data in the original form and restores the original data by combining the parts of data. The restored data may be used for an application executed on the terminal station T. On the other hand, when large data as uploaded from the terminal station T to base stations K, the terminal station T divides the data into a plurality of packets for a phyrality of communication areas, and the packets are sequentially transmitted to the corresponding base stations K as the vehicle passes through the communication areas. The packets received by the base stations K are transmitted to the control station S. The control station S combines the packets and nestores the original data.

Thus, Aoki teaches adjusting a packet size for transmission based on vehicle speed. In contrast, the claims require compressing the voice query signal at more than two times the compression ratio of human recognizable audio data compression. Those of ordinary skill in the art recognize the difference between packetization of data, and compression of the data.

Additionally, Aoki teaches that the degree of packetization is based on vehicle speed, rather than the claimed ratio of human recognizable audio data compression. As noted in the specification, a signal intended for a human recipient cannot be maximally compressed due to the need for a human to understand the request as maximally compressed signals may not be comprehensible to humans. See, pg. 1, lines 15-19 of the specification (below). Furthermore, those of ordinary skill in the art would recognize that packetization and compression are entirely different concepts and processes.

[6002] Communication devices that communicate between a vehicle, an interactive application, and an advisor on a remote node presently accomplish this through a circuit switched voice connection. Upon a user's request from a vehicle, an analog voice input is encoded into a digital signal intended for a human recipient. This signal cannot be maximally compressed due to the need for a human advisor to understand the request—maximally compressed signals may not be comprehensible to humans. The encoded digital

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003

Page 12 of 19

While compression ratios are known in the art, the prior art does not teach or suggest utilizing a first ratio (more than two times the compression ratio of human recognizable audio data compression) to transmit a voice query in one direction, and using a second ratio different from the first ratio (to allow a user of the telematics unit to understand the formulated response) to transmit a response to the voice query in the opposite direction. Providing speech recognition at a remote location is difficult, and has been previously complicated by multiple analog to digital conversions (see, page 1, lines 13-30 of the specification). Utilizing a 'high' ratio of compression (more than two times the compression ratio of human recognizable audio data compression) increases the amount of data, and preserves more of the original signal, that can be transmitted to the speech recognition engine using available bandwidth.

Furthermore, there can be no motivation to combine these three references in light of the failure of each to either denounce their teachings as less than an ideal solution, or to proclaim the desirability of compression. This is especially true given the teachings of Aoki regarding the desirability of variable packet length, rather than the desirability of including a first compression ratio for communications in one direction, and a second compression ratio for communications in the opposite direction.

Withdrawal of the rejections to claims 4, 11, and 16 is requested.

Serial No.: 10/675,349 Filed: September 30, 2003

Page 13 of 19

#### SUMMARY

The Examiner's rejections of claims 4, 11, and 16 have been obviated by remarks herein supporting an allowance of pending claims 4, 11, and 16 over the art of record. The Appellant respectfully submits that claims 4, 11, and 16 herein fully satisfy the requirements of 35 U.S.C. §§ 102, 103 and 112. In view of the foregoing, favorable consideration and passage to issue of the present application is respectfully requested. If any points remain in issue that may best be resolved through a personal or telephonic interview, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Dated: July 17, 2006

Respectfully submitted,
WILLIAM E. MAZZARA, JR.

GENERAL MOTORS CORPORATION

General Motors Legal Staff Mail Code 482-C23-B21 300 Renaissance Center P.O. Box 300

Detroit, MI 58265-3000 Phone: (313) 665-4714

CARDINAL LAW GROUP

Suite 2000

1603 Orrington Avenue Evanston, Illinois 60201

Phone: (847) 905-7111 Fax: (847) 905-7113 Anthony Luke Simon Registration No. 34,434 Attorney for Appellant

Paul M. Hletko

Registration No. 51,806 Attorney for Applicant

> Serial No.: 10/675,349 Filed: September 30, 2003

Page 14 of 19 REGEIVED
CENTRAL FAX GENTER

JUL 17 2008

#### CLAIMS APPENDIX

A method for responding to digital vehicle requests, the method comprising:
 receiving a voice query by a telematics unit, wherein the telematics
 unit comprises at least one analog digital converter;

converting the voice query to a compressed digital signal;

transmitting the signal to a call center node in communication with an information database via a wireless network;

parsing the signal at the call center node to determine an inquiry; accessing the information database based on the inquiry; formulating at least one response to the inquiry; transmitting the at least one formulated response in a digital format

over the wireless network to the telematics unit; and translating the at least one formulated response to an analog format at

the at least one analog digital converter.

- The method of claim 1 further comprising:
   optimizing the telematics unit for transmission of the voice query to a
  computer call center node.
- 3. The method of claim 2 further comprising:
  filtering the received voice query before converting it to the digital signal.

T-498 P.21/25 F-052

July 17, 2006

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003 Page 15 of 19

4. The method of claim 1 further comprising:

compressing the voice query digital signal at the telematics unit, wherein a compression algorithm compresses the voice query signal at more than two times the compression ratio of human recognizable audio data compression, and wherein the formulated response is compressed to allow a user of the telematics unit to understand the formulated response.

- The method of claim 1 further comprising: transmitting the signal to the call center using a packet data connection.
- 6. The method of claim 1 wherein transmitting the at least one formulated response in a digital format over the wireless network to the telematics unit comprises:

transmitting the at least one formulated response in a digital streaming audio format.

- The method of claim 1 wherein the analog digital converter further comprises a reversible digital analog converter.
- 8. The method of claim 1 wherein transmitting information via the wireless network further comprises transmitting information via an Internet protocol.

Case No. GP-304028 (2760/134)

Serial No.: 10/675,349 Filed: September 30, 2003 Page 16 of 19

9. A computer usable medium including a program for responding to digital vehicle requests comprising:

computer readable program code for receiving a voice query by a telematics unit, wherein the telematics unit comprises computer readable program code for at least one analog digital converter;

computer readable program code for converting the voice query to a compressed digital signal;

computer readable program code for transmitting the signal to a call center node in communication with an information database via a wireless network; computer readable program code for parsing the signal at the call center node to determine an inquiry;

computer readable program code accessing the information database based on the inquiry;

computer readable program code for formulating at least one response to the inquiry;

computer readable program code for transmitting the at least one formulated response in a digital format over the wireless network to the telematics unit; and

computer readable program code for translating the formulated responses to an analog format at the at least one analog digital converter.

10. The computer usable medium of claim 9 further comprising: computer readable program code for optimizing the telematics unit for transmission of the voice query to a computer call center node.

T-498 P 23/25 F-052

July 17, 2006

Case No. GP-304028 (2760/134) Serial No.: 10/675,349

Filed: September 30, 2003

Page 17 of 19

11. The computer usable medium of claim 9 further comprising:

computer readable program code for compressing the voice query digital signal at the telematics unit wherein the computer readable program code includes compression algorithm code to compresses the voice query signal at more than two times the compression ratio of human recognizable audio data compression, and wherein the formulated response is compressed to allow a user of the telematics unit to understand the formulated response.

- 12. The computer usable medium of claim 9 wherein computer readable program code for transmitting information via the wireless network further comprises computer readable program code for transmitting information via an Internet protocol.
- 13. A system for responding to digital vehicle requests, the system comprising: means for receiving a voice query by a telematics unit, wherein the telematics unit comprises means for at least one digital converter;

means for converting the voice query to a compressed digital signal;

means for transmitting the signal to a call center node in

communication with an information database via a wireless network;

means for parsing the signal at the call center node to determine an inquiry;

means for accessing the information database based on the inquiry; means for formulating at least one response to the inquiry;

means for transmitting the at least one formulated response in a digital format over the wireless network to the telematics unit; and

means for translating the formulated responses to an analog format at the at least one analog digital converter.

Case No. GP-304028 (2760/134) Serial No.: 10/675,349

Filed: September 30, 2003

Page 18 of 19

14. The system of claim 13 further comprising:

means for optimizing the telematics unit for transmission of the voice query to a computer call center node.

15. The system of claim 14 further comprising:

means for filtering the received voice query before converting it to the digital signal.

16. The system of claim 13 further comprising:

means for compressing the voice query digital signal at the telematics unit wherein the means for compressing compresses the voice query signal at more than two times the compression ratio of human recognizable audio data compression, and wherein the formulated response is compressed to allow a user of the telematics unit to understand the formulated response.

17. The system of claim 13 further comprising.

means for transmitting the signal to the call center using a packet data connection.

18. The system of claim 13 further comprising:

means for transmitting the at least one formulated response in a digital streaming audio format.

- 19. The system of claim 13 wherein the means for the analog digital converter further comprises means for a reversible digital analog converter.
- 20. The system of claim 13 wherein transmitting information via the wireless network further comprises means for transmitting information via an Internet protocol.

+18479057113 T-498 P.25/25 F-052 JUL-17-06 01:49PM FROM-CLG FAX

July 17, 2006

Case No. GP-304028 (2760/134) Serial No.: 10/675,349

Filed: September 30, 2003 Page 19 of 19

# **Evidence Appendix**

None

# Related Proceedings Appendix

None.

# REGEIVED GENTRAL FAX GENTER

JUL 17 2006

**OFFICIAL** 

# CARDINAL LAW GROUP

1603 Orrington Avenue/Suite 2000 Evanston, Illinois 60201 Telephone 847 – 905 - 7111 Facsimile 847 – 905 – 7113

Date:

JULY 17, 2006

To:

EXAMINER PHUONG, DAI

U.S. PATENT AND TRADEMARK OFFICE

Fax #:

(571) 273-8300

From:

FRANK C. NICHOLAS

Phone #:

(847) 905-7111

Client/Matter No.:

GP-304028 (2760/134)

# of Pages:

25

(including cover sheet)

IF YOU HAVE ANY PROBLEMS RECEIVING THIS MESSAGE, PLEASE CALL <u>847/905-7111, Ext. 112</u> AND ASK FOR <u>JENNIFER CRUZ</u>

THIS MESSAGE IS INTENDED ONLY FOR THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED. IT MAY CONTAIN PRIVILEGED, CONFIDENTIAL, ATTORNEY WORK PRODUCT, OR TRADE SECRET INFORMATION WHICH IS EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAWS. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AN EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS MESSAGE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE (AND ALL COPIES) TO US BY MAIL AT THE ABOVE ADDRESS. WE WILL REIMBURSE YOU FOR POSTAGE

PTIONSBUZH (12.97), Approved for use through 9/30000 CASE USS1-0031 Pagunt who Thiosensum Coffice. U.S. DEPARTMENT OF ECHANDRICS our the Payer Radiuscen Act of 1945, no persons are required to respond to a contestod of adomination sending it explays a visual Cests control number

				ľ	Allomey Docket No	lo	1	GP-የሰብ	<b>28</b> (2760	Μ.	34)			ł
TRANS	MITT	AL		⊢								a		
FO	RM			-								FAY		
гЧ	1.7141			⊦		no.								
(to be used for all corres	pondence alla	r maai G	ng)	}			·					بال	<u> </u>	17/2
			-	-	<u> </u>	_			G DAI		<del> </del>			
			_		EXALIBINA	-		7,10014	O. 124					
			ENCLO	SU	RES (check all	l ti	hat apply)							
Amendment			□ <sup>A</sup>	5519	Inment Papers								d of	
After Final				гаw	ung Sheets									
Affinavesion	eciaranon(s)		After Allowance Communication to Group  After Allowance Communication to						ief					
a and delanders as kingsag and a			P₁	em	, on Rousing Skip (PTC	വട	(2.69) and Propnetary information							
Status Letter									Post Ca	rd	Receipt			
		n af	ł		• •	)CE	: Address							
Express Abandonm	ent Requesi		□ 16	em	inal Disclamer		;	X	Compli	en:	Appeal Brief	!		
Information Disclosu PTO-1449	re Statemen	i.	□ s	mai	Entity Statement									
Centilea Copy of Phoney Document(s)					est of Refund									
Response to Missing Application	Pare/ Incor	npiete		edi	t any overpayment.	07-0960 (GENERAL MOTORS					Or			
			E-9 11	ner	pereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure									<b>se</b>
			LCAJ th	at 1 ther	his paper is timely wise been paid to l	fik De	ed Please ch	arge any No Ω7⊣	associat 0960 (GE	ed NE	fees which hi RAL MOTOR	ive n	OT	
· · · · · · · · · · · · · · · · · · ·														
	<u> </u>					_	Small	Entity		,	Lârge	Entit	y	
Claims After Amendment		Previo	huSly		Present Extra		Rate	Add'i Fee	OI	г	Rate			
	Minus				0		x \$25=		0		x \$50=			
	Minus				O		≠ \$100=				<u>д \$200=</u>	lacksquare		_
esentation of Multiple	e Dep. Claim						+\$180=				+ \$360=	↓_		
									<b>5</b> 0		oral add1 fee	L.		\$0
			ATURE C	)F	APPLICANT. ATTO	OR	NEY, OR AG	ENT						
Re	gistration N	51.80	6											
colonomo I CA	A.R.Duwra∏ iA	ൾ ദേദ	N JP	000										
3.		m	D	7				Date	<u> July 17.</u>	2	<u> </u>			
	· · · · · · · · · · · · · · · · · · ·					_				_				
y centry that this con	espondence	is being	thensmit	ted	by facsimile to (5)	71	) 273-8300 to	•			July 17, 20	206		
											THIS IS A			
ted States Patent a	Tabellia / 1	A	200								+			
	Amendment  After Final  Cone-Month Petition Time Request (dup) Express Abandonim  Information Disclosus PTO-1449  Certified Copy of Pro Response to Missing Application  Ctaims After Amendment  Exercised Copy  Application  Ctaims After Amendment  Pro Resentation of Multiple  Exercised Copy  Application  Ctaims After Amendment  Amendment	FORM  (to be used for all correspondence after final Express Abandonment Request (dup) Express Abandonment Request Information Disclosure Statement PTO-1449  Certified Copy of Phonity Docume Response to Missing Parts/ Incorresponse to Missing Parts/	Amendment  After Final  Che-Month Petition for Extension of Time Request (dup) Express Abandonment Request  Information Disclosure Statement, PTO-1449  Certified Copy of Phonty Document(s)  Response to Missing Parts/ Incomplete Application  Chaims After Previous Amendment Paid in  Minus  Essentation of Multiple Dep. Claim  PAUL M. HLETKO Registration No. 51.80 CARDINAL LAW GRO 1583 Omigration Avenue Evanstory 1. 60201	FORM    Ito be used for all correspondence after initial flang)   ENCLO   Amendment	FORM    The beautiful all correspondence after initial faing)   ENCLOSE	FORM Figure Date From Named Invert  From Named Invert  From Named Invert  Group Art Unit  Examiner  ENCLOSURES (check all  Amendment  Assignment Papers  After Final  Drawing Shoets  After Allowance Communication  After Allowance Communication  After Allowance Communication  After Allowance Communication  Group  Permon Rousing Stip (PT  Accompanying Person  To Convert a  Provisional Application  To Convert a  Provisional Application  Terminal Disclaration  The Commissioner is in  control of Provision under that this paper is timely ontherwise been paid to in  The Commissioner is in  control of Provision under that this paper is timely ontherwise been paid to in  CALCULATION OF  CALCULATION OF  CALCULATION OF  SIGNATURE OF APPLICANT. ATT  PAUL M. HLETKO  Registration No. 51,866  CARDWAL LAW GROUP  1683 Orngator Avenue, Suffix 2000  Evanston 60201	FORM Fign Date Fing Date Fing Date Fing Date Fing Date Fing Date Fing Date Find Named Inventor Group Art Unit Examiner  ENCLOSURES (check all till Examiner  ENCLOSURES (check all till Examiner  ENCLOSURES (check all till Examiner  After Final  After Final  Drawing Sheets  After Allowance Communic Group After Allowance Communic Group Permon Rouging Stip (PTOS Accompanying Perition Accompanying Perition To Cornert a Provisional Application Change of Correspondence Information Disclosure Statement, PTO-1449 Certified Copy of Phorny Document(s) Response to Missing Paris/ Incomplete Application  CALCULATION OF FE  Claims After Amendment Amendment Amendment Minus  O  SIGNATURE OF APPLICANT, ATTOR  PAUL M. PLETKO Registration Inc. SIGNATURE OF APPLICANT, ATTOR  SIGNATURE OF APPLICANT, ATTOR  PAUL M. PLETKO Registration Inc. SIGNATURE OF APPLICANT, ATTOR  SIGNATURE OF APPLICANT, ATTOR  CERTIFICATE OF FACSI  Inc.  CERTIFICATE OF FACSI  Inc.  CERTIFICATE OF FACSI  Inc.  CERTIFICATE OF FACSI  Inc.  CERTIFICATE OF FACSI  CERTIFICATE OF FACSI  Inc.  CERTIFICATE O	FORM Fing Date First Named Invertion Group Art Unit Examiner  ENCLOSURES (check all that apply)  Amendment After Final Drawing Shoets  After Allowance Communication to Group Person Roung Sho (PTC/SB/65) and Accompanying Person To Convert a Provisional Application Cone-Month Petition for Extension of Time Request (dup) Express Abandonment Request Information Discourse Statement, PTC-1449 Certified Copy of Phonix Document(s) Response to Missing Parts/ Incomplete Application  Charts this paper is timely filed Please of Other Short	FORM Figure Number Form Figure Named Inventor Figure Named Inventor WILLIAN Group Art Unit 2685 Examiner PrituOn  ENCLOSURES (check all that apply)  Amendment After Final Drawing Sheets To Comment Person Rouning Sap (PTC)Sarge) and Accompanying Person To Comment To Comment To Comment To Comment To Comment To Comment Private and Application To Comment To Comment application To Comment To Comment application To Comment To Comment application To Comment appl	FORM  Faing Datio  September 30.  Frist Named Invertion  WILLIAM E MAZ  Group Art Unit  2665  Examiner  PhuONG, DAI  ENCLOSURES (check all that apply)  Amendment  After Final  Drawing Shoets  After Allowance Communication to Group  After Allowance Communication to Group  Petition Rouling Sap (PTO/S86/9) and Accompanying Petition  Accompanying Petition  To Comment a Proyect Cambridge of Correspondence Address  Cone-Month Petition for Extension of Time Request (dup)  Express Abandamment Request  Information Decodeure Statisment,  PTO-1449  Response to Missang Parts/ Incomplete  Application  The Commentation of Request of Proyect of the Sheet is ended  The Commentation of Adupticate copy of this sheet is ended  The Commentation of Adupticate copy of this sheet is ended  The Commentation of Adupticate copy of this sheet is ended  CALCULATION OF FEE  Small Entity  Calcins After Previously Present  Addit of Amendment  PAUL M. HILETKO  Registration Signature of Papplicant, Attorney, On Agent  Signature of Papplicant, Attorney, On Agent  PAUL M. HILETKO  Registrating Bod Cardinates  CARDINATION OF AGENT  PAUL M. HILETKO  Registrating Bod Cardinates  CARDINATION OF AGENT  Signature of Papplicant, Attorney, On Agent  CERTIFICATE OF PACSIMBLE	FORM  Faing Date  SEPTEMBER 30, 22  Fain Named Inventor  WILLIAM E. MAZZAI  Group Art Unix  Examiner  PhuONG. Dat  ENCLOSURES (check all that apply)  After Final  After Final  Drawing Shoots  After Allowance Communication to Group  Permon Roung Shp (PTC/SB/95) and Accompanying Person  Cone-Month Pession for Extension of Time Request (dup)  Express Abandonment Request  Information Declarate Statement.  Pro-143  Response in Massing Parts/ Incomplete  Application  The Commeta of Refund  The Commeta of Person  Response to Massing Parts/ Incomplete  Application  The Commeta of Refund  The Commeta of Person  Request of Refund  Response to Massing Parts/ Incomplete  Application  The Commeta of Person  Request of Refund  The Commissioner is hereby sutherred to charge any fees a reduct any overpayment, to Deposit Account No 07-0950 (GI-ORPORATION). A duplicate copy of the steel of some other was been paid to Deposit Account No 07-0950 (GI-ORPORATION). A duplicate copy of the steel of some other shapes and otherwise been paid to Deposit Account No 07-0950 (GI-ORPORATION). A duplicate copy of the steel of some other shapes of the steel of some otherwise been paid to Deposit Account No 07-0950 (GI-ORPORATION). A duplicate copy of the sheet is encolosed of the steel of some of the shapes of the s	FORM Faing Date Fran Named Invertion WILLIAM E MAZZARA, JR  Fran Named Invertion WILLIAM E MAZZARA, JR  Croup Art Unix 2665 Examiner PhuONG, DAI  ENCLOSURES (check all that apply)  Argenament After Final After Final Drawing Shoots Trawing Shoots After Allowance Communication to Appeals and interferences To Corner of Group Person Roung Shi (PTC/S8/89) and Prophestary Information To Corner of To Corner	FORM    Application Number   100-7-3-91   10	FORM  Fang Date  Fang Date  Fang Date  SEPTEMBER 30, 2003  Appleat Command Mapples  First Named Invertor  Appleat Command Date Command Invertor  Appleat Command Invertor  Appleat Command Papers  Pest Care Recept  And Information for Extension of Time Request (dup)  Express Abatincomment Request  Tominal Disclament  Compliant Appeal Brief  Tominal Disclament  Compliant Appeal Brief  Tominal Disclament  Compliant Appeal Brief  The Command Papers  Appleation  Appleation  Request of Refund  The Command Papers  Appleation  Compliant Appeal Brief  The Command Papers  Appleation  Compliant Appeal Brief  The Command Papers  Appleation  Compliant Appeal Brief  The Command Papers  Compliant Appeal Brief  The Command Pa

_	<del></del>			HIT		Der Radussonn Aus 47 1995, I		COR HIS COLUMN TO COMP	ACT To a collision	tion of only	- deticals	rulence is carbrade a refine	CAN'S SOURS	N-TYB-OF		
	TRANS	MITT	·Δ1			Апотвеу Поска	n N	p.	GP-304	1028 (2	760/	184)				
	• -		<b>~</b> L			Application Nu	r	10/675,349								
	FC	PRM				Filing Date		SEPTEMBER 30, 2003 RECEIVED								
						First Named In	velt	ior	WILLIAM E. MAZZARA, JR							
	(to be used for all correc	spondence afti	er annai A	ling)		Group Art Unit			2685			JUL	17	<b>2006</b>		
		<u> </u>				Examiner			PHUON	IG, DA	I					
				ENC	LOS	URES (check	alī	that apply)								
	Amendment			П	Assignment Papers					Appeal Communication to Board of						
1	After Final				Dra	wing Sneets				Appe	als ar	nd Interferences				
	Affidavits/de	ectaration(s)			Afte Gro	г Афоналсе Согт ир	Muľ	ecation to	Ø			to Notice of light Appeal Br	iaf			
						ton Routing Slip (F ompanying Petitio		/SB/69) and		Propr	rietar	y Information				
	Status Letter					Convert a risional Application	,			Post (	Card	Receipt				
	One-Mornin Petition Time Request (dup)		n of		Cha	nge of Correspond	tend	e Aggress				Enclosure(s) entify below)				
	Express Apandonm	ent Request			Тепт	ninal Disclaimer			☒	Comp	plian	ant Appeal Brief				
	Information Disclosu PTO-1449	re Statemen	L		Sma	ili Entity Statemen										
	Certified Copy of Pro	ontry Docume	M(5)		Request of Refund											
	Response to Missing Application	Parts/ Incor	nplete	×	The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. <u>07-0960</u> (GENERAL MOTORS CORPORATION) A duplicate copy of this sheet is enclosed.								<b>o</b> r			
				×	I nerepy petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 07-0950 (GENERAL MOTORS CORPORATION). A duplicate copy of this sheet is enclosed.											
			,,			ALCULATION O										
								Small	Entity	,		Länge	Entity			
	Claims After Amendment		Highe Previo Paid f	wsły		Present Extra		Rate	Add'i Fee		or	Rate	Aggʻi F <del>ae</del>			
Total		Minus				0		x \$25=		0		x \$50≠				
Indep.		Minus				0		x \$100=	<u> </u>	0		x \$200≠				
First Pro	ssentation of Multiple	Dep. Claim						<b>-\$180</b> =	<u> </u>	=	;	+ \$360=				
			8161	ATIE	E OE	APPLICANT. AT	TO	total add1 fee	-	\$ 0	!	otal add1 fee		\$0		
Firm or individu	Re al namé CA	LUL M. MLET gistration No ROMAL LA 83 Onsogram anston 10 6	KO 2, 51,80 W GRO	6 UP												
Signatu	18		M	T	7				Date	-jrijv ]	7.2	206				
			•		CER	TIFICATE OF FA	cs	MILE								
i hereby the Unit	centify that this come ted States Patent at	espandence per tradema	us being	thems to s	mined his da	by facsimile to te:	(57	1) 273-8300 to	)			July 17 20	<u> </u>			
Signatul		1LETKO (51	M	1		<b>&gt;</b>			Date	yby.	, 17.	2006				